

ABSTRACT OF DISCLOSURE

A reorganization system permitting reorganization in an operating implementation of the data storage and retrieval system invention disclosed in Japanese Provisional Patent Publication No. 11-310096, Japanese Patent No. 3345628. The invention permits the reorganization of primary keys and blocks storing records by means of the provision of current location tables LC and new location tables LN and writing location table entries from LC to LN for one or multiple blocks in a given reorganization pass. Alternate-key indices may also be reorganized in the same fashion. Reorganization is performed continuously. The use of reorganization pointers to indicate during reorganization how far reorganization has advanced permits reorganization of a database without suspending the database while executing data retrieval, addition, updating and deletion by means of primary keys and alternate keys.